

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 38/17, G01N 33/68	A1	(11) International Publication Number: WO 97/40847 (43) International Publication Date: 6 November 1997 (06.11.97)
(21) International Application Number: PCT/IB97/00721 (22) International Filing Date: 25 April 1997 (25.04.97) (30) Priority Data: 60/017,354 26 April 1996 (26.04.96) US 60/030,590 14 November 1996 (14.11.96) US (71) Applicant: UNIVERSITY OF OTTAWA [CA/CA]; 650 Cumberland, Ottawa, Ontario K1N 6N5 (CA). (72) Inventors: KORNELUK, Robert, G.; 1901 Tweed Avenue, Ottawa, Ontario K1G 2L8 (CA). MACKENZIE, Alexander, E.; 35 Rockcliffe Way, Ottawa, Ontario K1M 1A3 (CA). ROBERTSON, George, S.; University of Ottawa, 650 Cumberland, Ottawa, Ontario K1N 6N5 (CA). XU, D., G.; University of Ottawa, 650 Cumberland, Ottawa, Ontario K1N 6N5 (CA). KROCKER, S., J.; University of Ottawa, 650 Cumberland, Ottawa, Ontario K1N 6N5 (CA). (74) Agent: FRITZ, Joachim, T.; Scott & Ayles, 1000 - 60 Queen Street, Ottawa, Ontario K1P 5Y7 (CA).		(81) Designated States: CA, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: THERAPEUTIC AND DRUG SCREENING METHODS FOR THE TREATMENT AND PREVENTION OF NEURONAL DISEASE (57) Abstract NAID and IAP polypeptides prevent neuronal cell death caused by ischemia, neurodegenerative conditions, and axotomy. The invention provides methods for neuroprotection by the prevention of cell death and kits and methods for the identification of neuroprotective therapeutic compounds.		